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Attorney Docket No.: 4887.204-US

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Andersen et al.

Confirmation No: 7632

Serial No.: 09/261,329

Group Art Unit: 1652

Filed: March 3, 1999

Examiner: E.Slobodyansky

For: Cellulase Variants

## AMENDMENT UNDER 37 C.F.R. 1.116

Commissioner for Patents  
Washington, DC 20231

Sir:

In response to the Office Action mailed May 21, 2001, please amend the above-identified application as follows (a marked up version pursuant to 37 C.F.R. 1.21 is attached hereto):

## IN THE CLAIMS:

Please substitute the following amended claims for the pending claims having the same claim numbers:

75. The cellulase variant of claim 74, wherein the mutation comprises D42W, D42Y, P48\*, L70Y and/or C86G.

76. A cellulase variant of claim 37, wherein the mutation comprises:

A22G, A22P, G22A, P22A, G22P, or P22G;

V24\*, V24L, \*24V, L24V, \*24L, or L24\*;

N32D, N32S, N32K, D32N, S32N, K32N, D32S, D32K, S32D, K32D, S32K, or K32S;

N34D or D34N;

G50N or N50G;

A53S, A53G, A53K, S53A, G53A, K53A, S53G, S53K, G53S, K53S, G53K, or K53G;

Y54F or F54Y;

V64I, V64D, I64V, D64V, I64D, or D64I;

F68V, F68L, F68T, F68P, V68F, L68F, T68F, P68F, V68L, V68T, V68P, L68V, T68V, P68V, L68T, L68P, T68L, P68L, T68P, or P68T;

A69S, A69T, S69A, T69A, S69T, or T69S;

L70Y or Y70L;

G71A or A71G;

G79T or T79G;

W85T or T85W;

A88Q, A88G, A88R, Q88A, G88A, R88A, Q88G, Q88R, G88Q, R88Q, G88R, or R88G;

L92A or A92L;

T93Q, T93E, Q93T, E93T, Q93E, or E93Q;

V106F or F106V;

Q138E or E138Q;

G140N or N140G;

S152D or D152S;

R153K, R153L, R153A, K153R, L153R, A153R, K153L, K153A, L153K, A153K, L153A, or

A153L;

G166S or S166G;

W169F or F169W;

R170F or F170R;

F171Y, F171A, Y171F, A171F, Y171A, or A171Y;

D172E, D172S, E172D, S172D, E172S, or S172E;

W173E or E173W;

F174M, F174W, M174F, W174F, M174W, or W174M;

L193I or I193L; and/or

T197S or S197T.